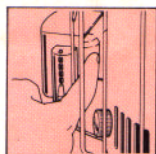


## INSTRUCTION MANUAL FOR REPLACING THE WICK

MODEL **KSA-85**  
TOYOTOMI AMERICA INC.

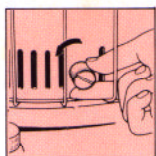
**Note:** Burning the old wick dry before you remove it will eliminate most of the kerosene and make the wick easier to handle.

**WARNING:** Before disassembling your heater, allow it to cool completely. Remove the batteries from the battery holder.

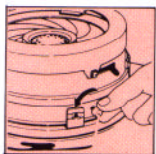


1. To release the automatic extinguisher, push the pendulum in the pendulum cover.

**WARNING:** Keep hands away from the automatic extinguisher reset lever.



2. Remove the three (3) LARGE thumbscrews holding the outer cover. Lift off the outer cover with the carrying handle.



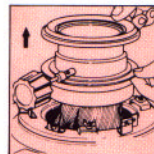
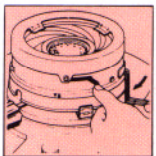
3. Remove the three (3) SMALL thumbscrews holding the extinguisher assembly.

**WARNING:** When removing or replacing the automatic extinguisher assembly, keep hands and fingers away from the shutter.

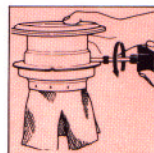
Pull the reset lever toward you about two (2) inches. This opens the extinguisher shutter enough to clear the igniter cover.

Lift off the extinguisher assembly.

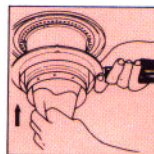
**WARNING:** DO NOT attempt to use a screwdriver or other tool to remove the automatic extinguisher assembly.



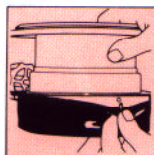
4. Loosen the three (3) wing nuts around the wick adjuster and turn the retainer until you can lift the entire wick adjuster assembly out of the fuel tank. Then lift it out.



5. Slide the rubber packing off the wick. If the rubber packing remains on the tank, remove the packing from the tank.



6. Turn the wick adjuster knob counterclockwise until it stops. Then gently pull the knob and continue turning counterclockwise until it stops again.



7. Fold the wick in towards the center to free it from the wick adjuster and then remove the old wick.

8. Fold the new wick and insert it into the wick adjuster. Align the bottom of the orange guide strip on the outside of the wick with the bottom of the adjuster.

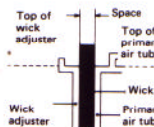
Finally, gently press the wick, all along its circumference, against the adjuster to insure that it is firmly in place.

9. Slide the rubber packing over the bottom of the wick and install it on the wick adjuster. Insert the projection on the packing into the hole on the rear of the adjuster. Be sure the four (4) tails of the wick extend downward.

10. Lower the wick adjuster assembly into the fuel tank, guiding the four (4) tails of the wick so it fits over the primary air tube and evenly into place.

Position the wick adjuster shaft in the U-shaped guide at the front of the tank.

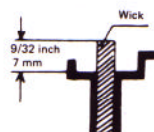
The space between the wick adjuster and the primary air tube should be even all around. Make certain that the top of the wick adjuster and the top of the primary air tube are the same height.



Re-position the three (3) retainers and tighten the three (3) wing nuts around the wick adjuster assembly. Operate the wick adjuster knob to be sure the wick moves smoothly up and down.

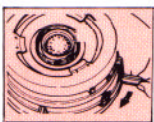
Wick height should be 7 mm (9/32 in.) when wick adjuster knob is fully clockwise. Be sure to check.

**NOTE:** If wick does not move smoothly and easily, or wick height is more or less than 7 mm (9/32 in.), disassemble and repeat Items 8-10.



**NOTE:** If any ragged edges appear on the top of the wick, trim then with a scissors carefully.

Do not cut the body of the wick.



11. Open the extinguisher shutter slightly by pulling the reset lever toward you. This allows the extinguisher assembly to fit back over the igniter cover.

Seat the extinguisher assembly by placing the notch at the bottom over the wick adjuster shaft. Replace and tighten the three (3) SMALL thumbscrews.

12. Replace the outer cover on the fuel tank and secure it into position with three (3) LARGE thumbscrews. Replace the batteries in the battery holder.

**AFTER REPLACING THE WICK, CHECK THE OPERATION OF THE AUTOMATIC EXTINGUISHER.**

**NOTE:** Before lighting a new wick for the first time, turn the wick to its lowest position, and allow the wick to saturate with kerosene for about thirty (30) minutes.